Updated	6-May-18			
	CAS	Nombre de grupo	HZ Group	Nombre del producto
1	No Info	Limpieza	01	Clean Fruit
2	No Info	Limpieza	01	Cloro universal 5%
3	No Info	Limpieza	01	Coci wash
4	No Info	Limpieza	01	Detergente Biodegradable
5	Mixture	Limpieza	01	DTU 600
6	No Info	Limpieza	01	Galaxy rinse
7	No Info	Limpieza	01	Gel cleaner
8	No Info	Limpieza	01	Grease out
9	No Info	Limpieza	01	Hand cleaner
10	No Info	Limpieza	01	Hi wash
11	No Info	Limpieza	01	Lime off
12	No Info	Limpieza	01	Limpiador Multiproposito desengrasante
13	Mixture	Limpieza	01	Lysol
14	Mixture	Limpieza	01	MR Musculo.
15	No Info	Limpieza	01	Neutro Soft
16	Mixture	Limpieza	01	Nitidol 120 bowl cleaner
17	No Info	Limpieza	01	Piso clean baby powder
18	No Info	Limpieza	01	SCOTT hair & body wash
19	Mixture	Limpieza	01	Sermaglass
20	No Info	Limpieza	01	Serquat
21	111-76-2	Limpieza	01	Simple Green
22	7681-52-9	Limpieza	01	SIP
23	68037-49-0	Limpieza	01	SIP lavaplatos concentrado
24	No Info	Limpieza	01	SIP verde
25	68037-49-0	Limpieza	01	SPUM
26	Mixture	Limpieza	01	SANITEC PIATTI LIMONE VERDE
27	Mixture	Limpieza	01	SANITEC BRILL POWER
28	Mixture	Limpieza	01	SANITEC FORNONET
29	Mixture	Limpieza	01	SANITEC BREZZA POLAR
1	Mixture	Ingenieria	02	Amasteel
2	7440-44-0	Ingenieria	02	AquaSorb®
3	Mixture	Ingenieria	02	Butanox M60
4	67762-90-7	Ingenieria	02	CAB-O-SIL TS-720 Fumed Silica
5	Mixture	Ingenieria	02	Cemento Portland
6	Mixture	Ingenieria	02	Cemento PVC
7	100-42-5	Ingenieria	02	Derakane 411-350
8	93763-33-8	Ingenieria	02	Rubber Adhesive

9	Mixture	Ingenieria	02	Duroct Cobalt 6%
10	Mixture	Ingenieria	02	KAESER SIGMA S-460
11	Mixture	Ingenieria	02	Electrodo XL 610…….
12	Mixture	Ingenieria	02	1095059940
13	Mixture	Ingenieria	02	Fullkitt komp A-B
14	Mixture	Ingenieria	02	ETERSET 2960-2
15	100-42-5	Ingenieria	02	F013-AAA-00
16	Mixture	Ingenieria	02	F-1 Filler
17	65997-17-3	Ingenieria	02	Fiberglass Mat
18	Mixture	Ingenieria	02	Hardener No.1 Red
19	Mixture	Ingenieria	02	Hardener 7
20	Mixture	Ingenieria	02	Fluid film liquid
21	68515-73-1	Ingenieria	02	NCS XL Brush Cleaner
22	Mixture	Ingenieria	02	Non-alkalinity fiberglass
23	Mixture	Ingenieria	02	Octa-Soligen® Cobalt 12
24	65997-15-1	Ingenieria	02	SikaGrout® 212
25	Mixture	Ingenieria	02	Electrocleaner
26	100-42-5	Ingenieria	02	Smoothing Liquid F12
27	Mixture	Ingenieria	02	STANLEY CHALKS
28	Mixture	Ingenieria	02	Thin Film Curing Agent
29	Mixture	Ingenieria	02	Anti-Seize
30	Mixture	Ingenieria	02	TIPTOP Cleaning Agent T100
31	Mixture	Ingenieria	02	TIPTOP COROFLAKE S PRIMER
32	Mixture	Ingenieria	02	TIPTOP FILLER F1 25KG
33	Mixture	Ingenieria	02	TIPTOP LINING 65
34	Mixture	Ingenieria	02	TIPTOP SMOOTHING LIQUID F12
35	25068-38-6	Ingenieria	02	ARALDITE F
36	Mixture	Ingenieria	02	Docamin Buegellack LL 17/16
37	No Info	Ingenieria	02	Elastosil RT 628
1	7647-01-0	Laboratorio	03	Acido clorhidrico 37%
2	7697-37-2	Laboratorio	03	Acido Nitrico 65%
3	71-43-2	Laboratorio	03	Benzene
1	Mixture	Control de plagas	04	Aqua Reslkin Super
2	No Info	Control de plagas	04	Arimac
3	82657-04-3	Control de plagas	04	Bifentrin 7.9
4	28772-56-7	Control de plagas	04	Contrac Blox
5	No Info	Control de plagas	04	Cybor 20 EA
6	52918-63-5	Control de plagas	04	k-Othrine 25 EC
7	Mixture	Control de plagas	04	Pybuthrin
8	No Info	Control de plagas	04	SANGHA GEL
1	Mixture	Hidrocarburos	05	Aceite 10W-30
2	68649-42-3	Hidrocarburos	05	Aceite 15W-40
3	64742-47-8	Hidrocarburos	05	AeroShell Fluid 14
4	Mixture	Hidrocarburos	05	AeroShell Turbine Oil 500
5	1330-78-5	Hidrocarburos	05	AeroShell Turbine Oil 560
6	67-63-0	Hidrocarburos	05	Alcohol Isopropilico
7	Mixture	Hidrocarburos	05	ALTIS EM 2

8	Mixture	Hidrocarburos	05	AZOLLA ZS 10
9	Mixture	Hidrocarburos	05	AZOLLA ZS 32
10	Mixture	Hidrocarburos	05	AZOLLA ZS 46
11	128-39-2	Hidrocarburos	05	AZOLLA ZS 68
12	Mixture	Hidrocarburos	05	Belt Dressing
13	Mixture	Hidrocarburos	05	CARTER SG 220
14	Mixture	Hidrocarburos	05	CARTER EP 1500
15	Mixture	Hidrocarburos	05	CARTER EP 220
16	Mixture	Hidrocarburos	05	CARTER EP 320
17	Mixture	Hidrocarburos	05	CARTER EP 460
18	Mixture	Hidrocarburos	05	CARTER SG 680
19	68955-53-3	Hidrocarburos	05	CARTER SH 220
20	68955-53-3	Hidrocarburos	05	CARTER SH 460
21	Mixture	Hidrocarburos	05	CARTER ST 220
22	Mixture	Hidrocarburos	05	CARTER ST 320
23	Mixture	Hidrocarburos	05	CARTER ST 460
24	Mixture	Hidrocarburos	05	CAT DEO 15W-40
25	597-82-0	Hidrocarburos	05	CAT FDAO SAE 60
26	Mixture	Hidrocarburos	05	CAT TDT0 30W
27	121158-58-5	Hidrocarburos	05	CAT TDTO 10W
28	Mixture	Hidrocarburos	05	CAT TDTO 50W
29	Mixture	Hidrocarburos	05	CERAN XM 220
30	Mixture	Hidrocarburos	05	CERAN XM 460
31	Mixture	Hidrocarburos	05	Chevron Delo® Extended Life Coolant/Antifreeze
32	Mixture	Hidrocarburos	05	CIRKAN RO 220
33	Mixture	Hidrocarburos	05	COPAL OGL 0
34	Mixture	Hidrocarburos	05	DACNIS 68
35	Mixture	Hidrocarburos	05	DACNIS SH 46
36	64741-88-4	Hidrocarburos	05	Dual Purpose vacuum pump oil
37	Mixture	Hidrocarburos	05	Havoline Motor Oil SAE 50
38	Mixture	Hidrocarburos	05	Havoline SAE 10W-30
39	Mixture	Hidrocarburos	05	Havoline SAE 20W-40
40	Mixture	Hidrocarburos	05	HDLL COOLANT 50-50 RED
41	Mixture	Hidrocarburos	05	Hilti Grease 50 ml
42	171090-93-0	Hidrocarburos	05	Hydransafe HFDU 46
43	Mixture	Hidrocarburos	05	ISOVOLTINE 410
44	8008-20-6	Hidrocarburos	05	Kerosene
45	Mixture	Hidrocarburos	05	Loctite 7649 primer
46	Mixture	Hidrocarburos	05	Loctite 7649 Primer
47	Mixture	Hidrocarburos	05	LOCTITE® 262™ THREADLOCKER HIGH STRENGTH
48	Mixture	Hidrocarburos	05	Longtime PD 2
49	Mixture	Hidrocarburos	05	Mobile Almo 525
50	Mixture	Hidrocarburos	05	MULTIS COMPLEX EP 3
51	Mixture	Hidrocarburos	05	MULTIS COMPLEX HV 2 MOLY
52	Mixture	Hidrocarburos	05	MULTIS COMPLEX SHD 100

53	Mixture	Hidrocarburos	05	MULTIS EP 2
54	Mixture	Hidrocarburos	05	PRESLIA GT 32
55	Mixture	Hidrocarburos	05	PRESLIA GT 46
56	Mixture	Hidrocarburos	05	Rando HD 32, 46, 68, 100, 150, 220
57	Mixture	Hidrocarburos	05	RUBIA TIR 7400 15W-40
58	Mixture	Hidrocarburos	05	RubIA TIR 7900 5W-40
59	Mixture	Hidrocarburos	05	Silver Grade Atin-Seize lubricant
60	Mixture	Hidrocarburos	05	TALADRINA CUT+COOL 5L
61	Mixture	Hidrocarburos	05	Texaco Starplex Moly
62	Mixture	Hidrocarburos	05	TRANSMISSION MDL 80W90
63	Mixture	Hidrocarburos	05	WD-40 Multiuse product
64	64742-53-6	Hidrocarburos	05	YICO_ASTM D3487
1	Mixture	Reactivos	06	Acido Electrolito
2	Mixture	Reactivos	06	AluVer® 3 Aluminum Reagent
3	Mixture	Reactivos	06	Amino Acid Reagent for Phosphate and Silica
4	Mixture	Reactivos	06	Ammonia Salicylate Reagent
5	54-21-7	Reactivos	06	AmVerTM Diluent Reagent LR for Nitrogen, Ammonia
6	Mixture	Reactivos	06	Ascorbic Acid
7	71-43-2	Reactivos	06	Benzene
8	Mixture	Reactivos	06	Bleaching 3 reagent
9	Mixture	Reactivos	06	Bromcresol Green-Methyl Red Indicator Powde
10	Mixture	Reactivos	06	Buffer Powder Citrate Type
11	Mixture	Reactivos	06	Buffer Solution, Sulfate Type
12	877-24-7	Reactivos	06	Buffer, pH 4.01 ± 0.02 @ 25°C
13	1305-78-8	Reactivos	06	Cal Viva Triturada
14	Mixture	Reactivos	06	Chemical Oxygen Demand Standard Solution 300 mg/l
15	No Info	Reactivos	06	Deionized (Demineralized) Water
16	Mixture	Reactivos	06	Detergents Reagent Powder Pillows
17	Mixture	Reactivos	06	Detergents Standard Solution
18	Mixture	Reactivos	06	Digestion Solution
19	Mixture	Reactivos	06	Dissolved Oxygen
20	Mixture	Reactivos	06	DPD Total Chlorine Reagent
21	Mixture	Reactivos	06	EDTA Tritan
22	Mixture	Reactivos	06	FerroVer
23	Mixture	Reactivos	06	Hydrochloric acid
24	Mixture	Reactivos	06	Hydrochloric Acid Standard Sollution
25	Mixture	Reactivos	06	Metabisulfito de Sodio
26	108-11-2	Reactivos	06	Metilisobutilcarbinol
27	Mixture	Reactivos	06	Molybdate Reagent
28	6484-52-2	Reactivos	06	Nitrato de Amonio
29	Mixture	Reactivos	06	NitraVer 3 Nitrate Reagent
30	Mixture	Reactivos	06	NitraVer 5 Nitrate Reagent

31	Mixture	Reactivos	06	NitraVer 6 Nitrate Reagent
32	12125-02-9	Reactivos	06	Nitrogen Ammonia St Sol 50mg/l
33	Mixture	Reactivos	06	Nitrogen Ammonia St Sol1mg/l
34	57-55-6	Reactivos	06	Phenol Red
35	Mixture	Reactivos	06	Phenolphthalein Indicator Powder
36	Mixture	Reactivos	06	Phosphate pretreatment
37	Mixture	Reactivos	06	Phosphate standard Solution 1 mg/l
38	Mixture	Reactivos	06	Phosphate standard Solution 15 mg/l
39	Mixture	Reactivos	06	PhosVer ® 3 Phosphate Reagent Powder Pillows
40	Mixture	Reactivos	06	Soap Solution for hardness det
41	1310-73-2	Reactivos	06	Sodium Hydroxide Standard Sol 1N
42	7790-28-5	Reactivos	06	Sodium Periodate
43	Mixture	Reactivos	06	SulfaVer® 4 Sulfate Reagent
44	Mixture	Reactivos	06	Sulfuric Acid Standard Solution 0.035 N
45	7783-06-4	Reactivos	06	Sulfuro de Hidrogeno
46	Mixture	Reactivos	06	UniVer® 3 Hardness Reagent
47	7783-06-4	Reactivos	06	Xantato Amilico de Potasio
1	Mixture	Solventes	07	Cleaning Agent T-100
2	64742-89-3	Solventes	07	Thinner Transmerquim
3	No Info	Solventes	07	Thinner laca GTM
4	Mixture	Solventes	07	COMEX Thinner tipo americano
5	Mixture	Solventes	07	Jotum thinner N#10
6	Mixture	Solventes	07	Jotum thinner N#17
7	Mixture	Solventes	07	Loctite Belt Dressing
8	Mixture	Solventes	07	Thinner CQ-100
9	Mixture	Solventes	07	Solvente N-418/19
10	Mixture	Solventes	07	International Thinner/EQPT
11	Mixture	Solventes	07	HEMPEL'S THINNER 08880
12	Mixture	Solventes	07	HEMPEL'S THINNER 08450
13	Mixture	Solventes	07	Avesta Blue One
14	No Info	Solventes	07	Carbozinc 676
1	77-92-9	Tratamiento de aguas	08	Acido citrico Anhidro
2	12042-91-0	Tratamiento de aguas	08	Clorhidroxido de aluminio
3	7778-54-3	Tratamiento de aguas	08	Hipo clorito de calcio granulado 65%
4	10043-01-1	Tratamiento de aguas	08	Sulfato de Aluminio
5	14380-61-1	Tratamiento de aguas	08	Hipoclorito de Calcio
6	14380-61-6	Tratamiento de aguas	08	Hipoclorito de sodio 12%
7	12042-91-0	Tratamiento de aguas	08	POLY CAT
8	1327-41-9	Tratamiento de aguas	08	Soda Caustica solida
9	87-90-1	Tratamiento de aguas	08	TCCA
1	Mixture	Perforacion y voladura	09	Austinite
2	1302-78-9	Perforacion y voladura	09	Bentonita
3	Mixture	Perforacion y voladura	09	
4	Mixture	Perforacion y voladura	09	Emulex

5	Mixture	Perforacion y voladura	09	Fulmelec Retardo
6	Mixture	Perforacion y voladura	09	Hidromita 3 - Hidromita 100
7	Mixture	Perforacion y voladura	09	Hidromita 70 - Hidromita 100
8	Mixture	Perforacion y voladura	09	Hydrox S.
9	Mixture	Perforacion y voladura	09	POLY-PLUS 2000
10	6484-52-2	Perforacion y voladura	09	Prillex FR
11	Mixture	Perforacion y voladura	09	RIOFLEX 1000 QY
12	Mixture	Perforacion y voladura	09	Rock Star
13	Mixture	Perforacion y voladura	09	Shockstar
14	Mixture	Perforacion y voladura	09	Solucion para Glasificar Hydrox S.
15	78-11-5	Perforacion y voladura	09	Cordon Detonante
16	Mixture	Perforacion y voladura	09	Hidromita 100
17	Mixture	Perforacion y voladura	09	Hidromita 70
18	Mixture	Perforacion y voladura	09	Hydromite 3
19	Mixture	Taller	10	Loctite SI 7657 flange sealant
20	Mixture	Taller	10	MOLYKOTER 3402
21	Mixture	Taller	10	QD Electronic Cleaner
22	Mixture	Taller	10	Spray nine grez-off heavy duty degreaser
1	Mixture	revestimiento	11	Abro Spray Paint
2	Mixture	revestimiento	11	COROFLAKE 23HB Beige
3	Mixture	revestimiento	11	COROFLAKE 23HB Grey
4	Mixture	revestimiento	11	COROFLAKE 24AR VE Grey
5	Mixture	revestimiento	11	COROFLAKE 24HB Beige
6	Mixture	revestimiento	11	COROFLAKE 24HB Grey
7	Mixture	revestimiento	11	COROFLAKE 67PS PRIMER
8	Mixture	revestimiento	11	COROFLAKE 611 Hardener
9	Mixture	revestimiento	11	COROFLAKE 611 Medium Grey
10	Mixture	revestimiento	11	COROFLAKE 611 White
11	Mixture	revestimiento	11	COROFLAKE S PRIMER U
12	Mixture	revestimiento	11	COROFLAKE N PRIMER U
13	Mixture	revestimiento	11	COROPATCH 61 EP Hardener
14	Mixture	revestimiento	11	COROPATCH 61 EP Resin
15	Mixture	revestimiento	11	Barrier 90 Comp B
16	Mixture	revestimiento	11	Carboguard 954 HB Part A
17	Mixture	revestimiento	11	Carbothane 133 HB - Part A
18	Mixture	revestimiento	11	Carbothane 134 HB - Part A
19	Mixture	revestimiento	11	CARBOZINC 859 Part A
20	25068-38-6	revestimiento	11	Coal Tar Activator
21	Mixture	revestimiento	11	Coal Tar Epoxy
22	Mixture	revestimiento	11	Five Star Epoxy Capping
23	Mixture	revestimiento	11	Glid Guard Y85
24	Mixture	revestimiento	11	Glidden Color esmalte brillante
25	Mixture	revestimiento	11	Hardtop xp Comp A
26	Mixture	revestimiento	11	Hardtop XP Comp B
27	Mixture	revestimiento	11	Integrad 475HS Light grey

28	Mixture	revestimiento	11	Interprime 198 RED
29	Mixture	revestimiento	11	Interseal 670 AL HS grey part A
30	Mixture	revestimiento	11	Interseal 670 AL HS part B
31	Mixture	revestimiento	11	Interseal 670 Base ultra deep part A
32	Mixture	revestimiento	11	Interthane 990 partB
33	Mixture	revestimiento	11	Intertherm 50 AL
34	Mixture	revestimiento	11	Interzinc 22
35	Mixture	revestimiento	11	Interzinc 52 Green part A
36	Mixture	revestimiento	11	Interzone 954
37	Mixture	revestimiento	11	JAPALAC 917,921,937,962,965,985,988,980
38	Mixture	revestimiento	11	JOTAMASTIC 80 AL
39	Mixture	revestimiento	11	Jotamastic 87 Comp A
40	Mixture	revestimiento	11	Jotaprime 500 Comp A
41	Mixture	revestimiento	11	Jotaprime 500 Comp B
42	Mixture	revestimiento	11	NITROCELULOSA
43	Mixture	revestimiento	11	Penguard FC
44	Mixture	revestimiento	11	Rust Master Aluminio estructural 605
45	Mixture	revestimiento	11	ROHPER ZINC COLD GALV
46	Mixture	revestimiento	11	STRUST +SSPR 6PK GLOSS BLACK
47	Mixture	revestimiento	11	Sikadur® 42 Grout-Pak Part A
48	Mixture	revestimiento	11	Transpoxy HB Intermediate 2.19
49	Mixture	revestimiento	11	Urethane converter 133
50	Mixture	revestimiento	11	Zinc filler type II
1	1336-21-6	Operations - Power Plant	12	Amoniaco solucion 25%
2	Mixture	Operations - Power Plant	12	Bonderite S-AD 31A ACID/RODINE
3	Mixture	Operations - Power Plant	12	Bonderite S-AD
4	Mixture	Operations - Power Plant	12	BT-3000
5	1310-73-2	Operations - Power Plant	12	BT-4000
6	10043-52-4	Operations - Power Plant	12	Calcium Chloride
7	7778-54-3	Operations - Power Plant	12	Calcium Hypochlorite
8	497-18-7	Operations - Power Plant	12	Carbohydrazide solution
9	77-92-9	Operations - Power Plant	12	Citric Acid 50%
10	NA	Operations - Power Plant	12	DustFoam Plus ™
11	NA	Operations - Power Plant	12	ELIMIN-OX
12	Mixture	Operations - Power Plant	12	Emulsy
13	Mixture	Operations - Power Plant	12	Hydrochloric acid 30-33%
14	Mixture	Operations - Power Plant	12	ID 206
15	Mixture	Operations - Power Plant	12	Nalco 131DR PLUS
16	Mixture	Operations - Power Plant	12	NALCO 5711
17	Mixture	Operations - Power Plant	12	NALCO 71D5 PLUS
18	Mixture	Operations - Power Plant	12	NALCO 7313
19	111-30-8	Operations - Power Plant	12	NALCO H-550
20	Mixture	Operations - Power Plant	12	Nalco PC-2040T
21	Mixture	Operations - Power Plant	12	NALCOOL 2000

22	7664-41-7	Operations - Power Plant	12	NH3 ANHIDRO
23	Mixture	Operations - Power Plant	12	P3 RODINE 2010
24	144-55-8	Operations - Power Plant	12	Sodium Bicarbonate
25	1310-73-2	Operations - Power Plant	12	Sodium hydroxide 30%
26	1310-73-2	Operations - Power Plant	12	Sodium hydroxide 45%
27	7632-00-0	Operations - Power Plant	12	Sodium Nitrite
28	5329-14-6	Operations - Power Plant	12	Sulfamic Acid
29	7664-93-9	Operations - Power Plant	12	Sulfuric acid 98%
30	10101-89-0	Operations - Power Plant	12	Trisodium Phosphate
31			12	Calcium silicate

CAS	PPE / Hazardous Mat	Face	Eye
MEZCLA	Bonderite S-AD 31A ACID/RODINE 31A	JDE faceshield 219570 JDE goggles 219573	
77-92-9	Citric Acid 50%	Safety goggles & Face-shield JDE faceshield 219570 JDE goggles 219573	
7632-00-0	Sodium Nitrite		safety glasses with side shields or goggles JDE goggles 219573
5329-14-6	Sulfamic Acid		Splash goggles JDE goggles 219573
7664-93-9	Sulfuric acid 98%	Goggles & Face-shield JDE faceshield 219570	
144-55-8	Sodium Bicarbonate		Splash goggles FASTENAL goggles 219573
497-18-7	ELIMIN-OX	na	Safety glasses JDE 187571
6472-46-7	Nalco 131DR PLUS	NI	Safety glasses JDE 187571
MEZCLA	Nalco PC-2040T		Splash goggles JDE goggles 219573
1310-73-2	BT-3000		Safety goggles & Face-shield JDE faceshield 219570 JDE goggles 219573
MEZCLA	Emulsy	Face shield	safety glasses with side-shields or chemical goggles. JDE goggles 219573
1310-73-2	BT-4000		safety glasses with side-shields or chemical goggles. JDE goggles 219573
MEZCLA	NALCO 5711	Safety goggles & Face-shield ROCAYOL faceshield 219570 FASTENAL goggles 219573	
111-30-8	NALCO H-550	Safety goggles & Face-shield JDE faceshield 219570 JDE goggles 219573	

MEZCLA	NALCO 7313		safety glasses with side-shields or chemical goggles. JDE goggles 219573
MEZCLA	NALCOOL 2000	safety glasses with side-shields	
NI	DustFoam Plus ™	NA	Safety glasses JDE 187571
MEZCLA	NALCO 71D5 PLUS		Safety glasses JDE 187571
7664-41-7	NH3 ANHIDRO	Safety goggles & Face-shield JDE faceshield 219570 JDE goggles 219573	
1336-21-6	Amoniaco solucion 25%	NA	Safety glasses JDE 187571
MEZCLA	P3 RODINE 2010	Safety goggles & Face-shield JDE faceshield 219570 JDE goggles 219573	
MEZCLA	ID 206		Goggles JDE 219573
7647-01-0	Hydrochloric acid 30-33%	• Safety glasses with side shields in laboratories. • Chemical goggles. • Full face shield (20 cm, 8 in minimum) may be required • Alternatively a gas mask may replace splash goggles and face shields. Safety goggles & Face-shield JDE faceshield 219570 JDE goggles 219573	
1310-73-2	Sodium hydroxide 30% & 45%		Safety goggles JDE 219573
10043-52-4	Calcium Chloride	safety glasses with side shields or goggles JDE goggles 219573	
497-18-7	Carbohydrazide solution		
10101-89-0	Trisodium Phosphate		
7778-54-3	Calcium Hypochlorite		Safety goggles JDE 219573
Mixture	Amasteel		Safety glasses
7440-44-0	AquaSorb®	safety glasses with side shields or goggles/ Provide eye wash station nearby JDE goggles 219573	
Mixture	Butanox M60	Face shield	

Mixture	Cemento Portland		Safety glasses
Mixture	Cemento PVC		SAFETY GLASSES
Mixture	COROFLAKE 23HB Beige		Chemical goggles. Eye was station or bottle
Mixture	COROFLAKE 23HB Grey		Chemical goggles. Eye was station or bottle
Mixture	COROFLAKE S PRIMER U		Chemical goggles. Eye was station or bottle
100-42-5	Derakane 411-350		Chemical goggles. Eye was station or bottle
Mixture	Duroct Cobalt 6%	Safety Glasses with side shields or Chemical Goggles.	
Mixture	Electrodo XL 610…….	Careta de soldador	
Mixture	ETERSET 2960-2	safety glasses with side shields and a faceshield or goggles and a faceshield.	
100-42-5	F013-AAA-00		gogggles
Mixture	F-1 Filler		Goggles. Wash station or bottle
65997-17-3	Fiberglass Mat		Safety goggles JDE goggles 219573
Mixture	Hardener No.1 Red	face shield, goggles. Eye wash station or bottle	
68515-73-1	NCS XL Brush Cleaner		safety glasses. Shower/eye wash
Mixture	Non-alkalinity fiberglass	NA	NA
Mixture	Octa-Soligen® Cobalt 12	Safety glasses with side shield	
Mixture	Electrocleaner		Safety glasses
65997-15-1	SikaGrout® 212		Safety glasses
100-42-5	Smoothing Liquid F12		Chemical goggles. Eye was station or bottle
Mixture	STANLEY CHALKS	Safety glasses	

Respiratory	Skin & Body	Gloves
Gas / vapor cartridge & particulate filter JDE 187558, JDE 187564, JDE 217798	Impervious apron and boots	Chemical resistant, impermeable gloves
		Chemical resistant gloves
		chemical resistant gloves
Vapor and dust respirator. JDE 187558, JDE 187564, JDE 217798	Synthetic apron	NI
Acidic gas/vapor type filter JDE 214691	Acid-resistant protective clothing: (solution >70% only) 8 hr: Butyl, PE, Teflon, Saranex, PE/EVAL, Barricade, PF3, Responder, Trellchem, Tychem 4	
Dust filter JDE 187689	Lab coat	
	protective clothing.	Standard glove type
	protective clothing.	Wear protective gloves.
	protective clothing	protective gloves
Vapor and particle respirator. JDE 187558, 187564, 217798		Standard glove type. (solution >70% only) 8 hr: Neoprene, PVC, Barricade
		latex gloves and suitable long-sleeved chemical splash clothing
Vapor and particle respirator. JDE 187558, 217798	Standard glove type. (solution >70% only) 8 hr: Neoprene, PVC. Chemical splash clothing	
	protective clothing	Wear protective gloves
Organic vapor cartridge. with a Particulate pre-filter JDE 187558, 217798	Wear chemical resistant apron. A full slicker suit is recommended if gross exposure is possible.	impervious gloves and bc

Use of filter type: A - Gases y vapores organicos JDE 187558	standard protective clothing	
	use of overalls, a chemical resistant apron	chemical gloves is recommended
	Wear suitable protective clothing	Wear protective gloves.
	Wear suitable protective clothing.	Wear protective gloves.
	8 hr: Butyl, Teflon, Viton, Responder, Trellchem, Tychem 4 hr: Nitrile	Chemical resistant gloves
Resprator with Filter type K: amoniaco FASTENAL 217591	Corrosion-proof clothing	
Gases and Voc filter JDE 214691	impervious apron	impervious gloves for prolonged contact
		Rubber gloves
Acid-VOC filter and Partciulates JDE 214691, 217798	Overalls. PVC Apron.PVC protective suit may be required if exposure severe 8hr: Butyl, Teflon, Saranex, Barricade, Responder, Trellchem, Tychem	Elbow length PVC gloves.
VOC filters JDE 187558	solution >70% only) 8 hr: Neoprene, PVC, Barricade	
Particle filter JDE 187555, 187564, 217798	Protective clothing	Impervious gloves
Usar respirador con careta completa con cartuchos anticloro y filtro contra polvos y vapores. 3M 6009, JDE187564		Pueden ser de caucho, neopreno ó PVC.
Filter P2	Protective work clothing	Leather gloves
Dust mask	Glove sand overall	
	Protective clothing	Neopreno or synthetic rubber

Respirator		guantes impermeables
Respirador VOC		GUANTES DE HULE
Air purifying res[pirator	long sleeve clothing	Neoprene, butyl-rubber, nitrile
Air purifying res[pirator	long sleeve clothing	Neoprene, butyl-rubber, nitrile
Air purifying res[pirator	long sleeve clothing	Neoprene, butyl-rubber, nitrile
Air purifying res[pirator		
Respirador		Guantes de soldador
VOC filters JDE 187558		Polyvinyl alcohol or viton
Respirator		chemical resistant
Respirator		
Respirator	long sleeve clothing	
Respirator	Chemical resistant clothing	Chemical resistant
na	Work clothing	Impermeable and resistant
Model filter AB or ABE		PVC, NITRILE RUBBER
Dust mask		gloves
respirator	long sleeve clothing	Polyvinyl alcohol gloves

Foot
NA
NI
Acid resistant boots.
na
NI
oots.

rubber boots
NA
NI
NA
impervious boots

Rubber boots
NA

RPE / Product	Composicion/CAS
Glidden Color esmalte brillante	Resina alquidica 24-40% Metiletilcetoxima 0.1-1%/ 96-29-7 Varsol 30-45%/ 8052-41-3 Silicato de aluminio 1-5%/ 1332-58-7
Glid Guard Y85	Bactericida no mercurial 2 0.1-1%/ 2634-33-5 Fungicida no mercurial 2 0.1-2% Dióxido de silicio 20-35%/ 14808-60-7 Polímero acrilico 22-38%/ 67828-12-0
Jotum thinner N#10	Xileno 50-98% Acetato de Butilo 5-20%
Jotum thinner N#17	Solvesso 100 40-80% Xileno 10-40% Butanol 5-30%
Jotamastic 87 Comp A	Epoxy resin (MW ≤ 700) 10 -23%/ 25068-38-6 Xylene 5 -10%/ 1330-20-7 Hydrocarbons, c9-unsatd., polymd. 5 -10%/ 71302-83-5 2-methylpropan-1-ol 3 -5%/ 78-83-1 Epoxy resin (MW 700-1200) 3-5%/ 25036-25-3 Ethylbenzene 1-3%/ 100-41-4 Benzyl alcohol 1-3%/ 100-51-6 Hydrocarbons, C9, aromatics, (<0,1% Benzene) 1-1.3%/ 64742-95-6 Bisamide mixture 0.3-1%/ 911674-82-3
Jotaprime 500 Comp B	Xylene 10-25%/ 1330-20-7 Butan-1-ol 5-10%/ 71-36-3 Ethylbenzene 5-10%/ 100-41-4 2,4,6-tris(dimethylaminomethyl)phenol 1-3%/ 90-72-2 Ethylenediamine; 1,2-diaminoethane 0.3-1%/ 107-15-3
Jotaprime 500 Comp A	4,4'-Isopropylidenediphenol,10-25%/ 67989-52-0 Xylene 10%/ 1330-20-7 Epoxy resin (MW 700-1200) 10%/ 25036-25-3 Butan-1-ol 5%/ 71-36-3 Glycidyl ether of 3-alkyl phenol 5%/ 68413-24-1 Ethylbenzene 3%/100-41-4 benzyl alcohol 3%/ 100-51-6
Hardtop XP Comp B	Hexamethylene diisocyanate 75-90%/ 28182-81-2 n-butyl acetate 10%/ 123-86-4 Solvent naphtha (petroleum) 10%/ 64742-95-6 hexamethylene-di-isocyanate 0,3%/ 822-06-0

Hardtop xp Comp A	Xylene 10-25%/ 1330-20-7 n-butyl acetate 5-10%/ 123-86-4 ethylbenzene 3-5%/ 100-41-4 Hydrocarbons, C9, aromatics 3-5%/ 64742-95-6 n-butyl methacrylate 0.3-1%/ 97-88-1 bis(1,2,2,6,6-pentamethyl-4-piperidyl) 0.1-0.3%/ 41556-26-7
JOTAMASTIC 80AL	Epoxy resin (MW ≤ 700) 10-25%/ 25068-38-6 hydrocarbons, C9-unsaturated, 10%/ 71302-83-5 xylene 10%/ 1330-20-7 2-methylpropan-1-ol 5%/ 78-83-1 benzyl alcohol 3%/ 100-51-6 ethylbenzene 3%/ 100-41-4 epoxy resin (MW 700-1200) 3%/ 25036-25-3 bisamide mixture 1%/ 911674-82-3
CARBOZINC 859	TOLUENE 10-25~~%/108-88-3~~ EPOXY RESIN 10-25%/25036-25-3 TITANIUM DIOXIDE 10-25%/13463-67-7 EPOXY RESIN 2.5-10%/ 25068-38-6 METHYL ETHYL KETONE 2.5-10%/ 78-93-3 POLYSTYRENE 1.0-2.5%/ 9003-53-6 MODIFIED UREA-FORMALDEHYDE RESIN 1-2.5%/68002-19-7 1,2-BENZENEDICARBOXIOLIC ACID, DI-C9-11-BRANCHED AND LINEAR ALKYL ESTERS 1.0-2.5%/ 68515-43-5 META-XYLENE 1.0-2.5%/ 108-38-3 N-BUTANOL 1.0-2.5%/ 71-36-3 1-METHOXY-2-PROPANOL ACETATE 1.0-2.5%/ 108-65-6 CARBON BLACK 0.1-1%/ 1333-86-4 ETHYL BENZENE 0.1-1%/ 100-41-4
CARBOTHANE 134 Part A	TITANIUM DIOXIDE 10-25%/ 13463-67-7 N-BUTYL ACETATE 10-25%/ 123-86-4 MICROCRYSTALLINE SILICA 10-25%/ 14808-60-7 1-METHOXY-2-PROPANOL ACETATE 2.5-10%/ 108-65-6 METHYL ETHYL KETONE 2.5-10%/ 78-93-3 CARBON BLACK 2.5-10%/ 1333-86-4 STODDARD SOLVENT 2.5-10%/ 8052-41-3 METHYL N-AMYL KETONE 1-2.5%/ 110-43-0 ETHOXYPROPIONATE 1-2.5%/ 763-69-9 108-65-6 1-METHOXY-2-PROPANOL ACETATE 1.0-2.5 108-38-3 META-XYLENE 1.0-2.5 100-41-4 ETHYL BENZENE 0.1-1.0 1313-13-9 MANGANESE OXIDE 0.1-1.0 PHOSPHATE ESTER 0.1-1.0 2,4-PENTANEDIONE 0.1-1%/123-54-6

Zinc filler type II	ZINC (DUST OR FUME) 75-100%/ 7440-66-6 ZINC OXIDE 1-2.545/ 1314-13-2
Penguard FC	epoxy resin (MW 700-1200)10 -25%/25036-25-3 Xylene 10%/ 1330-20-7 hydrocarbons, C9 10%/ 64742-95-6 butan-1-ol 9.2%/ 71-36-3 2-methoxy-1-methylethyl acetate 5%/ 108-65-6 ethylbenzene 5%/ 100-41-4
Carboguard 954 HB	EPOXY RESIN 75-100%/ 25068-38-6 EPOXY RESIN 2.5-10%/ 41638-13-5 ORGANOSILANE ESTER 1-2.5%/ 2530-83-8
Intertherm 50 A	Aluminum 10-25%/ 7429-90-5 Xylenes (o-, m-, p- isomers) 10-25%/ 1330-20-7 Stoddard solvent 10-25%/8052-41-3 Benzene, ethyl- 1-10%/ 100-41-4 Benzene, methyl- 0.10-1%/108-88-3 Methanol 0.1-1%/67-56-1
Interseal 670 HS grey part A	Benzene, ethyl 1-10%/100-41-4 Propylene glycol monomethyl ether 1-10%/ 107-98-2 Xylenes (o-,m-,p-isomers) 1-10%/1330-20-7 Carbon black 0.1-1%/1333-86-4 Titanium dioxide 1-10%/13463-67-7 Talc 50-75%/14807-96-6 Polymer of epoxy resin 1-10%/25036-25-3 Bisphenol A 10-25%/25068-38-6
Interthane 990 partB	Ingredient CAS No. Percent 1,2,4−Trimethyl benzene 10−25%/ 95−63−6 1,3,5−Trimethylbenzene 1−10%/108−67−8 Hexamethylene diisocyanate homopolymer 50−75%/ 28182−81−2 Petroleum naphtha, light aromatic 10−25%/ 64742−95−6

Sikadur® 42 Grout-Pak Part A	bisphenol-A-(epichlorhydrin) epoxy resin 50-100 %/ 25068-38-6 (2-ethylhexyl)oxy]methyl]oxirane (2-ethylhexyl glycidyl ether) 5-10 %/2461-15-6 solvent naphtha (petroleum) 2-5 %/64742-94-5 Naphthalene, pure 0-1 % 91-20-3
Coal Tar Epoxy	Coal Tar Pitch 25-50%/65996-93-2 Talc 25-50%/14807-96-6 Xylene 10-25%/1330-20-7 Fatty Acids, C18-Unsatd., Dimers, Polymers With Tall-Oil Fatty Acids And Triethy 10-25%/68082-29-1 Ethylbenzene 2.5-10%/100-41-4 Propylene Glycol Monopropyl Ether 2.5-10%/1569-01-3 Acenaphthylene 1.0-2.5%/ 208-96-8 Crystalline Silica 1.0-2.5%/14808-60-7 Tris-2,4,6-(Dimethylaminomethyl)Phenol 1.0-2.5%/ 90-72-2
Rust Oleum 7000 System Cold Galv	Zinc 75-100%/ 7440-66-6 Mineral Spirits 2.5-10%/ 64742-88-7 Zinc Oxide 2.5-10%/ 1314-13-2 Stoddard Solvent 1.0-2.5%/ 8052-41-3
Coal Tar Activator	Epichlorohydrin-bisphenol A resin 75-100%/ 25068-38-6
Interzone 954	Talc 25-50%/ 14807-96-6 Epoxy resin 10-25%/ 25068-38-6 Barium sulfate 10-25%/ 7727-43-7 Xylenes 1-10%/ 1330-20-7 Benzene 1-10%/ 100-41-4 Glycidoxypropyltrimethoxysilane 1-10%/ 2530-83-8 Methylisobutyl ketone 1-10%/ 108-10-1
Barrier 90 Comp B	Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines 50-75%/ 68410-23-1 xylene 10-25%/ 1330-20-7 1-methoxy-2-propanol 10-20%/ 107-98-2 ethylbenzene 5-10%/ 100-41-4 Amines, polyethylenepoly-, triethylenetetramine fraction 0.3- 1%/ 90640-67-8
Carbozinc 676	Phenoxy Resin, Zinc Dust

Interzinc 52 Green part A	Zinc 50-75%/ 7400-66-6 Polymer of epoxy resin and bisphenol A 1-10%/ 25036-25-3 Xylene 1-10%/ 1330-20-7 Zin oxide 1-10%/ 1314-13-2 Talc (non asbestform) 1-10%/ 14807-96-6 Naptha 1-10%/ 64742-95-6 1,2,4-Trimethyl benzene 1-10%/ 95-63-6 Butanol 1-10%/71-36-3 Propylene glycol monomethyl ether 1-10%/ 107-98-2
Interprime 198 RED	Petroleum naphtha 10-25%/ 64742-95-6 Limestonen 10-25%/ 1317-65-3 1,2,4-Trimethyl benzene 10-15%/ 95-63-6 Wollastonite (Ca(SiO3)) 1-10%/ 3983-17-0 Barium sulfate 1-10%/ 7727-43-7 Xylenes (o-, m-, p- isomers) 1-10%/ 0001330-20-7 Butanol 1-10%/ 71-36-3 Iron oxide 1-10%/ 1309-37-1 1,3,5-Trimethylbenzene 1-10%/ 108-67-8 Methyl ethyl ketoxime 0.1-1%/96-29-7
Hardtop xp COMP A	xylene 10-25%/ 1330-20-7 n-butyl acetate 5-10%/ 123-86-4 ethylbenzene 3-5%/ 100-41-4 Hydrocarbons, C9, aromatics 3-5%/ 64742-95-6 n-butyl methacrylate 0.3-1%/ 97-88-1 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 0.1-0.3%/ 41556-26-7
Hardtop xp COMP B	Hexamethylene diisocyanate 75-90%/ 28182-81-2 n-butyl acetate 10%/ 123-86-4 Solvent naphtha (pet) 10%/ 64742-95-6 hexamethylene-di-isocyanate 0,3%/ 822-06-0
JAPALAC 917,921,937,962,965,985,988,980	Resina alquídica 30-45% Varsol 35-50%/ 8052-41-3 Metil etil cetoxima 0.1-1%/ 96-29-7 Kaolin 1-5 %/1332-58-7
Transpoxy HB Intermediate 2.19	Dimetil Benceno 10-15%/ 1330- 20-7 1-Metoxi-2- propanol 5-10%/ 107-98-2 Fenil metano 5-10%/ 108-88-3 Isobutilmetilcetona 1-5%/ 108-10-1
Rust Master Aluminio estructural 605	Resina estirenada 30-45% Espirito blanco 15-30%/ 64742-88-7 Dióxido de silicio amorfo 1-5%/ 63231-67-4 Varsol 20-35%/ 8052-41-3 Aluminio 10-20%/ 7429-90-5 Cobalto 2-etilhexanoato 0.1-0.5%/ 136-52-7

SDS advice	P100	N95	6001	6003	5N11	PAPR	SAR	SCBA
Donde la protección respiratoria es requerida, use respirador para vapores orgánicos			•					
Donde la protección respiratoria es requerida, use respirador para vapores orgánicos			•					
With roller or brush, then charcoal filter is sufficient. Use respiratory protective mask with charcoal and dust filter (A2/P2) when spraying this product.			•		•			
Use a properly fitted, air-purifying or air-fed respirator if a risk assessment indicates this is necessary.			•				•	
Use a properly fitted, air-purifying or air-fed respirator if a risk assessment indicates this is necessary.			•				•	
Use a properly fitted, air-purifying or air-fed respirator if a risk assessment indicates this is necessary.			•				•	
Respiratory mask with charcoal and dust filtervwhen spraying. In confined spaces, use compressed-air or fresh-air respiratory equipment. When use roller or brush, consider use of charcoalfilter.			•		•		•	
?								

Use a properly fitted, air-purifying or air-fed respirator if a risk assessment indicates this is necessary.			•				•	
			•					
User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required.			•					•
User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required.			•					•

Dust safety masks are recommended when the dust concentration is more than 10 mg/m3. Respirator must be worn if exposed to dust. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).	•							
Use respiratory mask with charcoal and dust filter when spraying. In confined spaces, use compressed-air or fresh-air respiratory equipment. When use of roller or brush, consider use of charcoalfilter.			•		•		•	
In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required			•		•			•
Ensure fresh air entry during application and drying.			•					
Ensure fresh air entry during application and drying.			•					
A supplied air respirator (either positive pressure or continous flow type) is required			•				•	

Use a properly air-purifying or air-fed respirator if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.			•			•	•	•
Approved air purifying respirator with an organic vapor cartridge where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.			•				•	
				•				
			•					
Use a properly fitted, air-purifying or air-fed respirator.			•				•	
							•	

			•					
			•					
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard (NIOSH-approved P95)			•			•		
			•					
Donde la protección respiratoria es requerida, use respirador para vapores orgánicos			•					
			•					
Donde la protección respiratoria es requerida, use respirador para vapores orgánicos			•					

DOT Department of Transportation

Class Number	Division	Name of Class or Division		Class
None	-	Forbidden Materials		
None	-	Forbidden Explosives		
1	1.1	Explosives (with a mass explosion hazard)		1
1	1.2	Explosives (with a projection hazard)		
1	1.3	Explosives (with predominately a fire hazard)		
1	1.4	Explosives (with no significant blast hazard)		
1	1.5	Very insensitive explosives; blasting agents		
1	1.6	Extremely insensitive detonating substances		
2	2.1	Flammable gas		2
2	2.2	Non-flammable compressed gas		
2	2.3	Poisonous gas		
3	-	Flammable and combustible liquid		3
4	4.1	Flammable solid		4.1
4	4.2	Spontaneously combustible material		4.2
4	4.3	Dangerous when wet material		4.3
5	5.1	Oxidizer		5.1
5	5.2	Organic peroxide		5.2
6	6.1	Poisonous materials		6.1
6	6.2	Infectious substances (etiologic agent)		6.2
7	-	Radioactive material		7
8	-	Corrosive material		8
9	-	Miscellaneous hazardous material		9
None	-	Other regulated material: ORM-D		

Europa//ADR Road Transport

name ADR
Explosive substances and articles
Gases, including compressed, liquified, and dissolved under pressure gases and vapors
Flammable gases (e.g. butane, propane, acetylene)
Non-flammable and non-toxic, likely to cause asphyxiation (e.g. nitrogen, CO2) or oxidisers (e.g. oxygen). Toxic (e.g. Chlorine, Phosgene)
Flammable liquids
Flammable solids, self-reactive substances, and solid desensitized explosives
Substances liable to spontaneous combustion
Substances which, in contact with water, emit flammable gases
Toxic substances

RID (Transport by train)
ADNR (Transport on inland wate
IMDG (Marine transport)
ICAO/IATA (Air transport)

pcking group

Packing Group I: high danger

Packing Group II: medium danger

Packing Group III: low danger

rways